

## U.S. UTILITY PATENT APPLICATION

|                                  |                           |                                    |
|----------------------------------|---------------------------|------------------------------------|
| <p>SCANNED <u>1600 g. Me</u></p> | <p>O.L.P.E. <u>Me</u></p> | <p>PATENT DATE<br/>JAN 11 2000</p> |
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|--------|-------|----------|----------|----------|
| SECTOR | CLASS | SUBCLASS | ART UNIT | EXAMINER |
|        | 430   | 5        | 1158     |          |

FILED WITH: ☒ DISK (GAF) ☐ FICHE  
(Attached in pocket on right inside flap)

PREPARED AND APPROVED FOR ISSUE

| ISSUING CLASSIFICATION       |  |          |  |                    |                                   |  |  |  |  |
|------------------------------|--|----------|--|--------------------|-----------------------------------|--|--|--|--|
| ORIGINAL                     |  |          |  | CROSS REFERENCE(S) |                                   |  |  |  |  |
| CLASS                        |  | SUBCLASS |  | CLASS              | SUBCLASS (ONE SUBCLASS PER BLOCK) |  |  |  |  |
| INTERNATIONAL CLASSIFICATION |  |          |  |                    |                                   |  |  |  |  |
|                              |  |          |  |                    |                                   |  |  |  |  |
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☐ Continued on Issue Slip
 ☐ Inside File Jacket

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|---|---|--|---|--|
| <input type="checkbox"/> <b>TERMINAL<br/>DISCLAIMER</b>   | <b>DRAWINGS</b><br>Sheets Drawn: <u>4</u> Figs. Drawn: <u>13</u> Print Figs.: <u>2B</u>                         |  | <b>CLAIMS ALLOWED</b><br>Total Claims: <u>37</u> Print Claim for O.G.: <u>1</u> |  |
|   | <input type="checkbox"/> (a) The term of this patent subsequent to _____ (date) has been disclaimed.            |  | <b>NOTICE OF ALLOWANCE MAILED</b><br><u>7-7-99</u><br><u>4-16-99</u>            |  |
| <input type="checkbox"/> (b) The term of this patent shall not extend beyond the expiration date of U.S. Patent. No. _____  | <b>S. ROSASCO<br/>PRIMARY EXAMINER<br/>GROUP 1100</b><br><u>S. Rosasco 4/15/99</u><br>(Primary Examiner) (Date) |  | <b>ISSUE FEE</b><br>Amount Due: <u>1210.00</u> Date Paid: <u>10-5-99</u>        |  |
|   | <input type="checkbox"/> (c) The terminal _____ months of this patent have been disclaimed.                     |  | <b>ISSUE BATCH NUMBER</b><br><u>496</u>   |  |
| <b>WARNING:</b><br>The information disclosed herein may be restricted. Unauthorized disclosure may be prohibited by the United States Code Title 35, Sections 122, 181 and 361. Possession outside the U.S. Patent & Trademark Office is restricted to authorized employees and contractors only. |   |  |   |  |

Form PTO-436A  
(Rev. 10/97)

Formal Drawings (\_\_\_\_ shts) set **PS** (LABEL AREA).

(FACE)

PATENT NUMBER

## ORIGINAL CLASSIFICATION

CLASS

SUBCLASS

430

5

APPLICATION SERIAL NUMBER

09/188,368

APPLICANT'S NAME (PLEASE PRINT)

HASEGAWA et al.

IF REISSUE, ORIGINAL PATENT NUMBER

## CROSS REFERENCE(S)

CLASS

SUBCLASS  
(ONE SUBCLASS PER BLOCK)

## INTERNATIONAL CLASSIFICATION

G03F

9/00

GROUP  
ART UNIT

ASSISTANT EXAMINER (PLEASE STAMP OR PRINT FULL NAME)

PRIMARY EXAMINER (PLEASE STAMP OR PRINT FULL NAME)

1752

S. ROSASCO

PTO 270  
(REV. 5-91)

ISSUE CLASSIFICATION SLIP

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE